

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/18875

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : G06F 17/00 US CL : 463/42 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 463/42, 40, 41, 25, 16		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,770,533 A (FRANCHI) 23 June 1998 (23.06.1998), entire document.	1, 4, 5, 7, 8
Y		2, 3, 6, 9-18
Y	US 6,048,269 A (BURNS et al) 11 April 2000 (11.04.2000), entire document.	2, 3, 9-14, 16, 17
A	US 5,999,808 A (LaDUE) 07 December 1999 (07.12.1999), entire document.	1-18
A, P	US 6,280,326 B1 (SAUNDERS) 28 August 2001 (28.08.2001), entire document.	1-18
A, P	US 6,270,410 B1 (DeMAR et al) 07 August 2001 (07.08.2001), entire document.	1-18
A, P	US 6,340,331 B1 (SAUNDERS et al) 22 January 2002 (22.01.2002), entire document.	1-18
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "A" document member of the same patent family		
Date of the actual completion of the international search 19 August 2002 (19.08.2002)		Date of mailing of the international search report 12 SEP 2002
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230		Authorized officer Valencia Martin-Wallace Telephone No. 703-305-5648 Paralegal Specialist 